

CLAIMS

1. A method for controlling a vehicle with a braking system having a first fluid line extending between a master cylinder and a brake caliper and a bypass-isolation valve disposed along the first fluid line between the master cylinder and the brake caliper wherein the bypass-isolation valve being moveable from a closed position to an open position in response to a predetermined fluid pressure in the first fluid line, a second fluid line extending from a first position along the first fluid line between the pressure-bypass valve and the master cylinder to a second position along the first fluid line between the pressure-bypass valve and the brake caliper, a fluid pump disposed along the second fluid line, the method comprising the steps of:

pumping fluid to the brake caliper with the pump; and
characterized by

discontinuing the pumping substantially immediately prior to the fluid pressure in the first fluid line reaching the predetermined pressure and prior to the bypass-isolation valve opening.

2. The method of claim 1 including the steps of:
disposing a prime valve along the second fluid line between the fluid pump and the first position; and
biasing the prime valve to a closed position.

3. The method of claim 2 including the steps of:
closing the bypass-isolation valve prior to the pumping step; and
opening the prime valve prior to the pumping step.

4. The method of claim 3 including the steps of:
sensing a first fluid pressure sensor along the first fluid line; and
controlling the pump in response to the sensing step.

5. The method of claim 4 including the steps of:

extending a third fluid line from a third position disposed along the first fluid line between the second position and the brake caliper to a first position along the second fluid line between the pump and the prime valve;

disposing a bypass-apply valve along the first fluid line between the brake caliper and the sensor;

disposing a release valve along the third fluid line between the first position and the third position; and

disposing a fluid accumulator along the third fluid line between the first position and the release valve.